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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/779,674	02/18/2004	Yi-Fang Chou	0941-0918P	8543
2292	7590	04/04/2006	EXAMINER	
BIRCH STEWART KOLASCH & BIRCH PO BOX 747 FALLS CHURCH, VA 22040-0747			COMAS, YAHVEH	
			ART UNIT	PAPER NUMBER
			2834	

DATE MAILED: 04/04/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary	Application No. 10/779,674	Applicant(s) CHOU ET AL.	
	Examiner Yahveh Comas	Art Unit 2834	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 March 2006.
 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-22 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) ☐ Claim(s) _____ is/are allowed.
 6) ☒ Claim(s) 1-22 is/are rejected.
 7) ☐ Claim(s) _____ is/are objected to.
 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) ☒ All b) ☐ Some * c) ☐ None of:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
 * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
 Paper No(s)/Mail Date _____.
 4) ☐ Interview Summary (PTO-413)
 Paper No(s)/Mail Date. _____.
 5) ☐ Notice of Informal Patent Application (PTO-152)
 6) ☐ Other: _____.

DETAILED ACTION

Response to Arguments

Applicant's arguments filed 3/20/2006 have been fully considered but they are not persuasive.

Applicant argument of Kasuga not showing a gap being formed between the first a second section is not persuasive since as disclose by Kasuga a gap is formed between the first portion and second portion, for example see fig. 4a elements 121 and 122, use to insert a nut for fixing the main body. Therefore the rejection is sustained.

In response to applicant's argument that Kasuga is nonanalogous art, it has been held that a prior art reference must either be in the field of applicant's endeavor or, if not, then be reasonably pertinent to the particular problem with which the applicant was concerned, in order to be relied upon as a basis for rejection of the claimed invention. See *In re Oetiker*, 977 F.2d 1443, 24 USPQ2d 1443 (Fed. Cir. 1992). In this case, the use of an structure having a first and second section with a gap between in order to insert a nut for fixing the structure is well know in the art as show by Kasuga. Kasuga disclosed a housing 10 or main body fix to a circuit board or frame using a nut and bolt wherein the housing is provided with a gap or space for the nut between a first a second section of said housing. Therefore the rejection is sustained.

In response to applicant's argument that the references fail to show certain features of applicant's invention, it is noted that the features upon which applicant relies (i.e., long or short bolt) are not recited in the rejected claims. Although the claims are interpreted in light of the specification, limitations from the specification are not read into

the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993).

Therefore the rejection is sustained.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

1. Claims 1-6, 9, 12-17 and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Applicant Admitted Prior Art (AAPA) in view of Kasuga U.S. Patent No. 6,293,823.

AAPA discloses a fan mounted on a frame comprising a first and second sections disposed on a main body having fastening structures at the corners of said main body but fail to disclose a gap formed between the first and second sections, and a fixing portion formed in the gap. However Kasuga disclose a housing/main body (10)

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comprising a first (21) and a second (23) section wherein a gap (26) is formed between the first and second sections, and a fixing portion formed in the gap (26). A fastening structure (30) is disposed in said gap (26) wherein the fixing portion prevents the fastening structure from rotating and limits the position of the fastening structure and said second section has a recess (26).

Regarding claim 9 and 20, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify AAPA's invention and provide a integral structure comprising a main body, the first and second sections and the fixing portion since it has been held that forming in one piece an article which has formerly been formed in pieces and put together involves only routine skill in the art.

Howard v. Detroit Stove Works, 150 U.S. 164 (1893).

Therefore it would have been obvious to one having skill in the art at the time the invention was made to modify AAPA's invention and provide a housing comprising a first and a second section wherein a gap is formed between the first and second sections, and a fixing portion formed in the gap since that would had been desirable in order to provide a nut fixing part in the housing.

2. Claims 7-8 and 18-19 rejected under 35 U.S.C. 103(a) as being unpatentable over Applicant Admitted Prior Art (AAPA) in view of Kasuga U.S. Patent No. 6,293,823 in further view of Cutsforth et al. U.S. Patent No. 6,652,360.

AAPA in view of Kasuga disclose the claimed invention except the use of hooks instead of the screw and nuts. However Cutsforth disclose the use of bolts and nuts, hooks or springs as a fastening mean. Therefore it would have been obvious to one having skill

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in the art at the time the invention was made to modify AAPA's invention and provide hooks instead of since was know in the art that the hooks can be use as a for fastening means.

3. Claims 10-11 and 21-22 rejected under 35 U.S.C. 103(a) as being unpatentable over Applicant Admitted Prior Art (AAPA) in view of Kasuga U.S. Patent No. 6,293,823 in further view of Yasumoto et al. U.S. Patent No. 4,959,571.

AAPA in view of Kasuga disclose the claimed invention except for a plurality of ribs disposed between the base and the main body for guiding airflow. However Yasumoto discloses a plurality of ribs (13) having an inclined angle disposed between the base and the main body for guiding airflow.

Therefore it would have been obvious to one having skill in the art at the time the invention was made to modify AAPA's invention and provide a plurality of ribs disposed between the base and the main body for guiding airflow as disclosed by Yasumoto.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Wang et al. Patents No. 6,135,788, Hashiguchi et al. Patents No 5,125,853 and Fan Patents No. 6,935,895 show a first section and a second section of the main body with a gap in order to insert a nut to fix said main body.

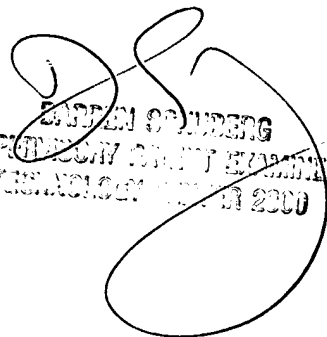
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yahveh Comas whose telephone number is (571) 272-2020. The examiner can normally be reached on 8am-5pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Darren Schuberg can be reached on 571-272-2044. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

YC


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TECHNOLOGY CENTER 2834